

Converting Colors

$Yxy(82.6443, 0.2816, 0.3894)$

Have a look what the booklet for
Yxy(82.6443, 0.2816, 0.3894)
contains.

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Color

Yxy(82.6519, 0.2816, 0.3892)

Conversions

Conversions Part 1

Format	Color
Hex	99FFCC
RGB	153, 255, 204
RGB Percent	60%, 100%, 80%
CMY	0.3998, 0.0000, 0.2001
CMYK	0.40, 0.00, 0.20, 0.00
HSL	150°, 100%, 80%
HSV	150°, 40%, 100%
XYZ	59.8016, 82.6519, 69.9101
YIQ	218.6880, -44.4210, -37.4850

Conversions

Conversions Part 2

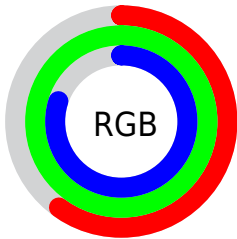
Format	Color
RYB	153, 221, 255
Decimal	10092492
CIELab	92.86, -40.79, 15.15
CIELCh	93, 43.511, 159.620
Yxy	82.6519, 0.2816, 0.3892
Android (android.graphics.Color)	4288282572 (0xFF99FFCC)
YUV	218.6880, -7.2412, -57.6084
Hunter-Lab	90.9131, -41.6827, 18.0465

Details

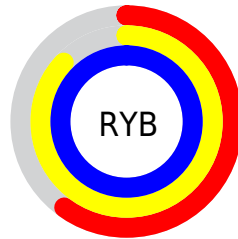
The Yxy color **82.6519, 0.2816, 0.3892** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.4263, 0.3628, 0.2765**, and the grayscale version is **70.6950, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **45.0770, 0.2736, 0.4041** is the 20% darker color. If you saturate the color by 10%, you get **79.8447, 0.2758, 0.4077**, and if you desaturate by 10%, it is **86.0463, 0.2885, 0.3719**.

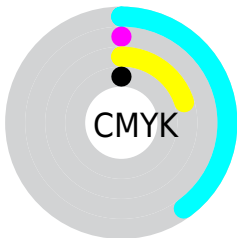
Distribution



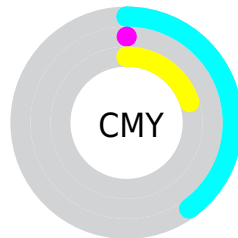
- Red (60%)
- Green (100%)
- Blue (80%)



- Red (60%)
- Yellow (87%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.6519, 0.2816, 0.3892 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 82.6519, 0.2816, 0.3892 by changing the saturation by 10% instead.


 82.6519, 0.2816,
0.3892

 82.6519, 0.2816,
0.3892


503.8257, 0.2962,
0.3608

 61.9030, 0.2782,
0.3958


 137.0878, 0.2867,
0.3792

 44.9543, 0.2740,
0.4041


 171.5436, 0.2887,
0.3754

 31.4215, 0.2686,
0.4147


211.3372, 0.2904,
0.3721

 20.9200, 0.2615,
0.4287

256.8530, 0.2919,
0.3692

 13.0655, 0.2517,
0.4480

308.4753, 0.2932,
0.3667

 7.4737, 0.2374,
0.4764

366.5886, 0.2943,

 3.7601, 0.2148,

0.3645

0.5219

431.5773, 0.2953,
0.3625

■ 1.5403, 0.1497,
0.6448

■ 0.3168, 0.0000,
1.0000

■ 82.6519, 0.2816,
0.3892

■ 82.6519, 0.2816,
0.3892

■ 79.8447, 0.2758,
0.4077

■ 86.0463, 0.2885,
0.3719

■ 77.5793, 0.2716,
0.4271

■ 90.0499, 0.2962,
0.3561


■ 75.8197, 0.2691,
0.4470

■ 94.6959, 0.3043,
0.3418

■ 74.5211, 0.2686,
0.4669

99.9985, 0.3127,
0.3290

 73.6304, 0.2701,
0.4861

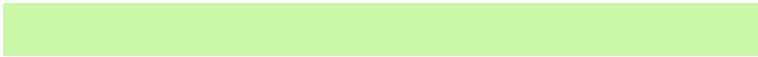
 73.0614, 0.2734,
0.5042

 73.0602, 0.2734,
0.5043

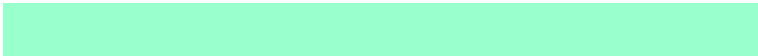
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.6519, 0.3305, 0.4175



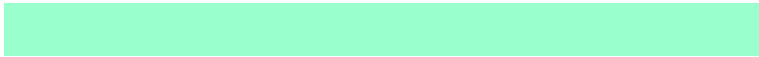
82.6519, 0.2816, 0.3892



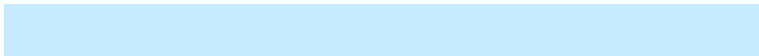
82.6519, 0.2430, 0.3409

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.6519, 0.2816, 0.3892



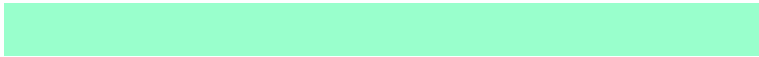
82.6519, 0.2479, 0.2491



82.6519, 0.4112, 0.3518

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



82.6519, 0.2816, 0.3892



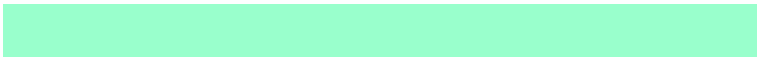
48.4263, 0.3628, 0.2765

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.6519, 0.3858, 0.3122



82.6519, 0.2816, 0.3892



82.6519, 0.2887, 0.2556

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.6519, 0.2816, 0.3892



82.6519, 0.2252, 0.2614



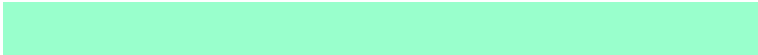
82.6519, 0.3395, 0.2782



82.6519, 0.4072, 0.3895

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.6519, 0.2816, 0.3892



82.6519, 0.2275, 0.3080



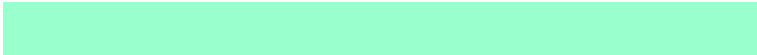
82.6519, 0.3395, 0.2782



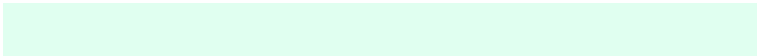
82.6519, 0.4058, 0.3384

Sweetspot

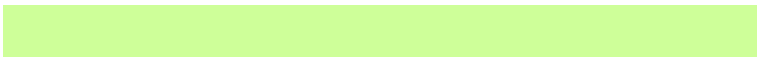
The Sweet Spot groups the original color and five complimentary colors.



82.6553, 0.2816, 0.3892



93.7037, 0.3027, 0.3446



86.9036, 0.3392, 0.4407



19.9223, 0.3016, 0.3464



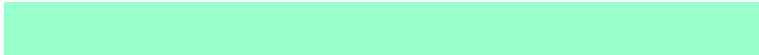
0.0000, 0.0000, 0.0000



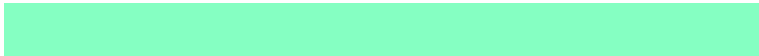
21.4041, 0.3127, 0.3290

Same Dimension

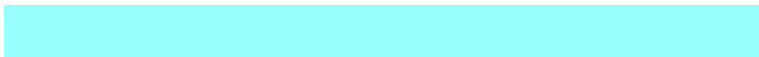
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.6553, 0.2816, 0.3892



80.3570, 0.2769, 0.4040



85.4078, 0.2582, 0.3307



20.3195, 0.3047, 0.3411



38.2064, 0.2726, 0.5013



3.7421, 0.2668, 0.4805

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



48.4263, 0.3628, 0.2765



41.8149, 0.3776, 0.2663



46.4211, 0.4130, 0.3275



18.1388, 0.3215, 0.3172



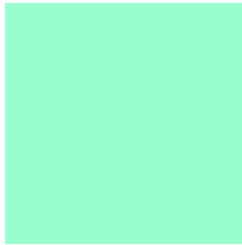
11.9484, 0.4962, 0.2507



1.1854, 0.4708, 0.2367

Previews

White Background



This preview shows how the Yxy color 82.6519, 0.2816, 0.3892 looks on a white background.

Color Contrast Check

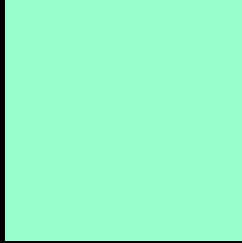
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 82.6519, 0.2816, 0.3892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

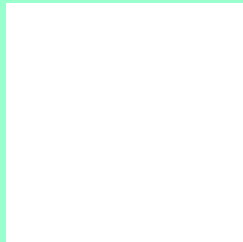
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.6519, 0.2816, 0.3892

Background



This preview shows how black text looks on a background with the Yxy color 82.6519, 0.2816, 0.3892.

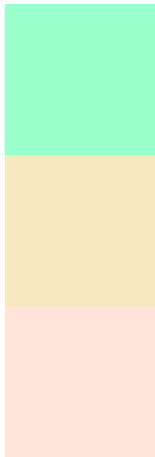


This preview shows how white text looks on a background with the Yxy color 82.6519, 0.2816, 0.3892.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

82.6519, 0.2816, 0.3892

Protanopia

81.7209, 0.3479, 0.3703

Deuteranopia

81.8088, 0.3384, 0.3391



Tritanopia

82.1936, 0.2761, 0.3150

Trichromacy



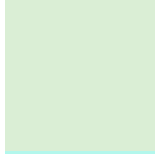
Original Color

82.6519, 0.2816, 0.3892



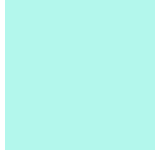
Protanomaly

80.9389, 0.3203, 0.3774



Deuteranomaly

80.8586, 0.3148, 0.3560



Tritanomaly

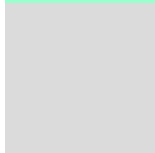
82.1614, 0.2782, 0.3411

Monochromacy



Original Color

82.6519, 0.2816, 0.3892



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.1704, 0.2992, 0.3494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.6519, 0.2816, 0.3892 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(153, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 204)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(153, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 204) }
```

Border

The CSS property to change the border of an element to Yxy 82.6519, 0.2816, 0.3892 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 255, 204) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(153, 255, 204) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(153, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 82.6519, 0.2816, 0.3892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 204) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(153,  
255, 204) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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